



Makes Maths Fun

# Level 1

## Fractions & Decimals

Bloomsmath is a comprehensive mathematics program which provides a fun way for every student to be learning to the best of their ability.

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# BLOOMSMATH

Makes Maths Fun

Also Available in the Level 1 Program

Whole Number  
Addition  
Subtraction  
Multiplication & Division  
Probability  
Patterns & Algebra  
Data  
Length  
Area  
Volume  
Mass  
Time  
3D Shape  
2D shape  
Position

## Fractions & Decimals

Level 1 is designed for students in their first year at school. The Fractions & Decimals strand allows students to identify halves as two equal parts of a whole object.

**Knowledge:** Students use the pictures to colour those which have been split equally into halves and those which are not divided into 2 equal parts.



Students who demonstrate proficiency in this activity move on to Comprehension.



Students stop here as they require additional teacher support to master this activity.

**Comprehension:** Students divide given letters of the alphabet into equal halves and colour each half a different colour.



Students who demonstrate proficiency in this activity move on to Application.



Students stop here if time has run out or they require additional support with this activity.

**Application:** Students attempt to draw the mirrored half of each picture using the grid provided to assist them.



Students who demonstrate proficiency in this activity move on to Analysis.



Students stop here if time has run out or they require additional support with this activity.

**Analysis:** Students identify the butterflies which have been split into equal halves and use paint to create an artistic mirror image butterfly.



Students who demonstrate proficiency in this activity move on to Synthesis.



Students stop here if time has run out or they require additional support with this activity.

**Synthesis:** Students use the half of a butterfly provided to draw the other half and then try to draw one of their own.

**Evaluation:** Suggested questions and activities provide a starting point for discussions related to Fractions & Decimals such as whether a half by weight and a half by size are the same thing.



Students may complete more or fewer activities for each learning outcome depending on the time allocated and their strength in the area being covered.

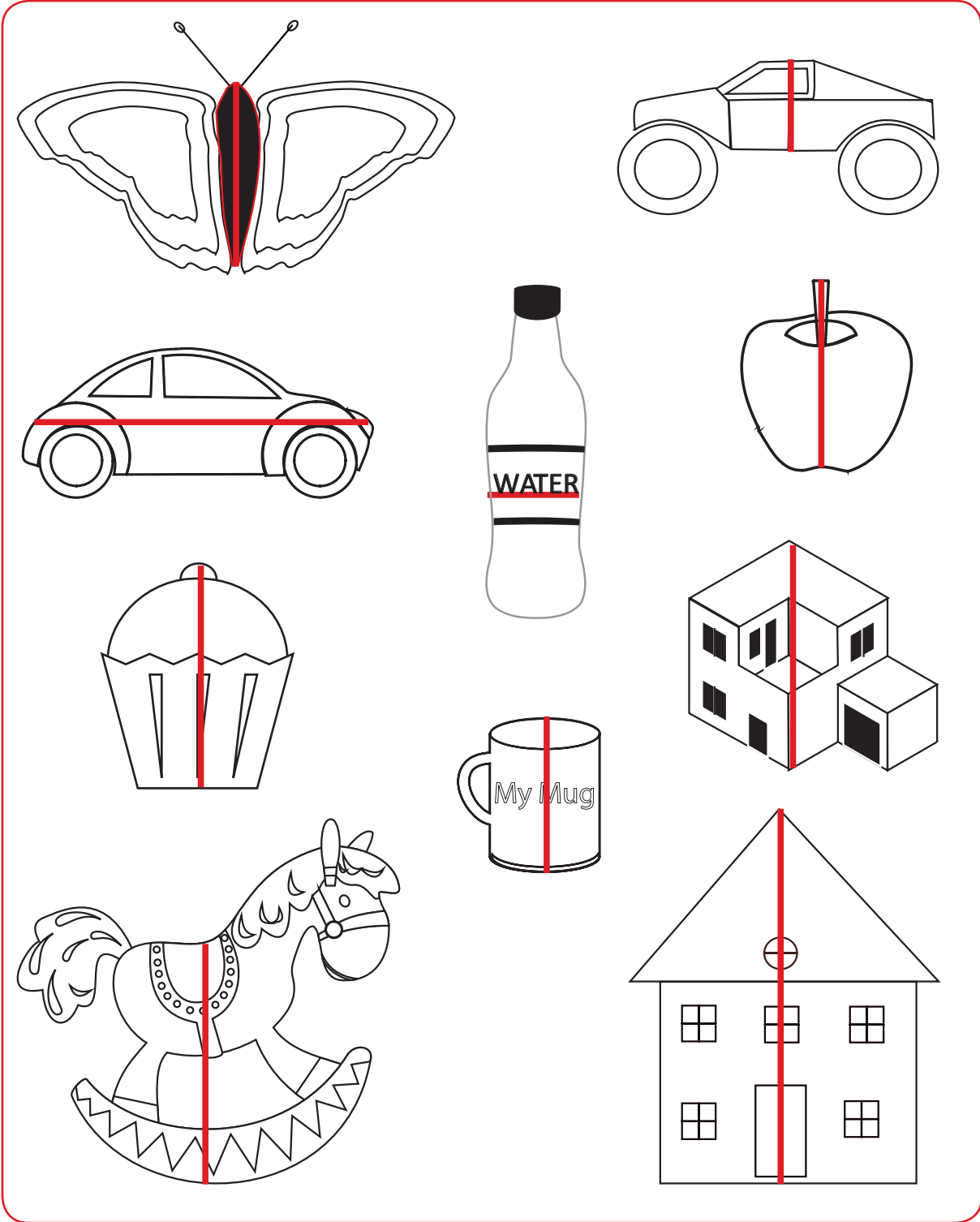


All students should participate in the Evaluation discussion to encourage the use of mathematical language, logical reasoning and reflection on that which they have completed.

Name: \_\_\_\_\_

# Find The Halves

Colour the objects which have been sliced into equal halves.



Fractions and Decimals - Level 1 - Students will identify halves as two equal parts of a whole object.

Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation



Let's Try This Again



Progress To Comprehension

Name: \_\_\_\_\_

# Its As Easy As ABC

Cut each letter in half and make the 2 halves different colours.

A B C D E

H I K M N

O S T U V

W X Z

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Knowledge

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Let's Try This Again

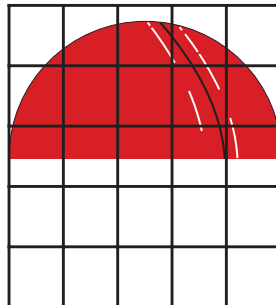
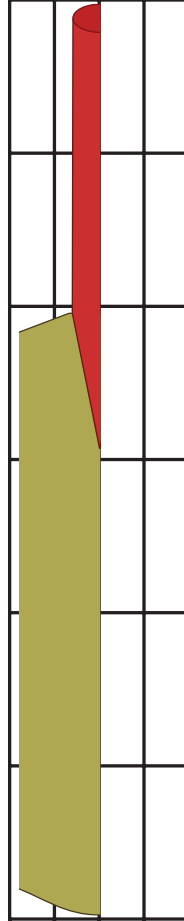
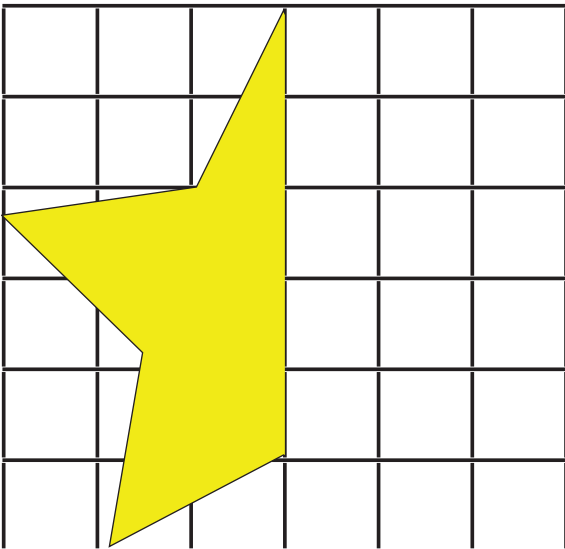
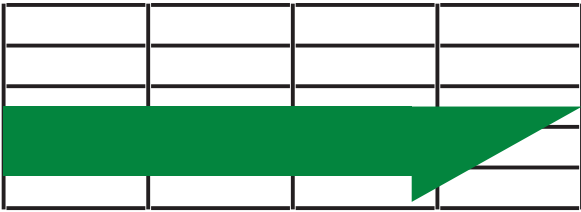
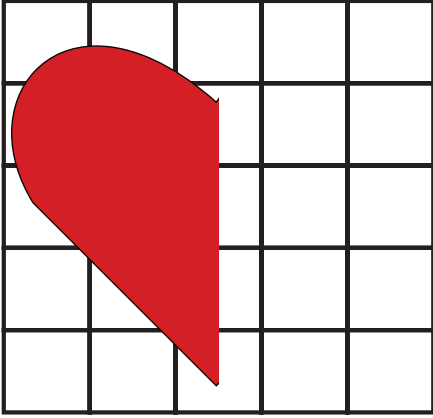


Progress To Application

Name: \_\_\_\_\_

# Mirror Image Drawing

Draw and colour the other half of each shape using the grid to help you.



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Knowledge

Comprehension

Application

Analysis

Synthesis

Evaluation



Let's Try This Again

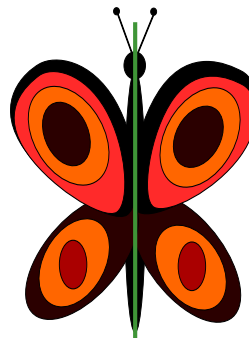
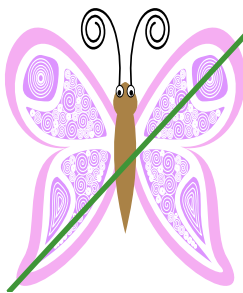
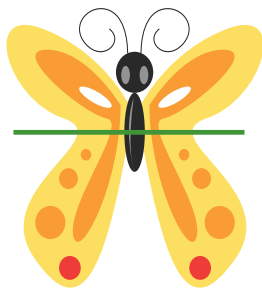
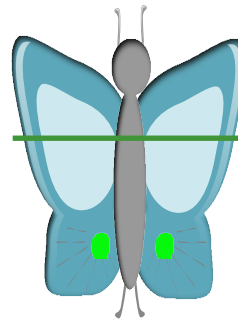
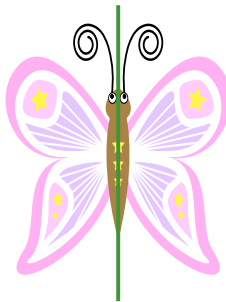
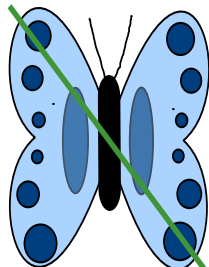
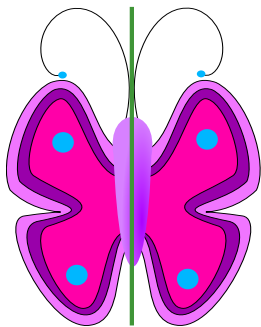


Progress To Analysis

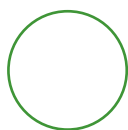
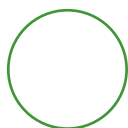
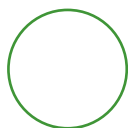
Name: \_\_\_\_\_

# Flutter By Pretty Butterfly

Circle the butterflies which have been cut evenly in half.



Place 3 blobs of paint in the circles and fold on the dotted line to make an even butterfly.



Let's Try This Again

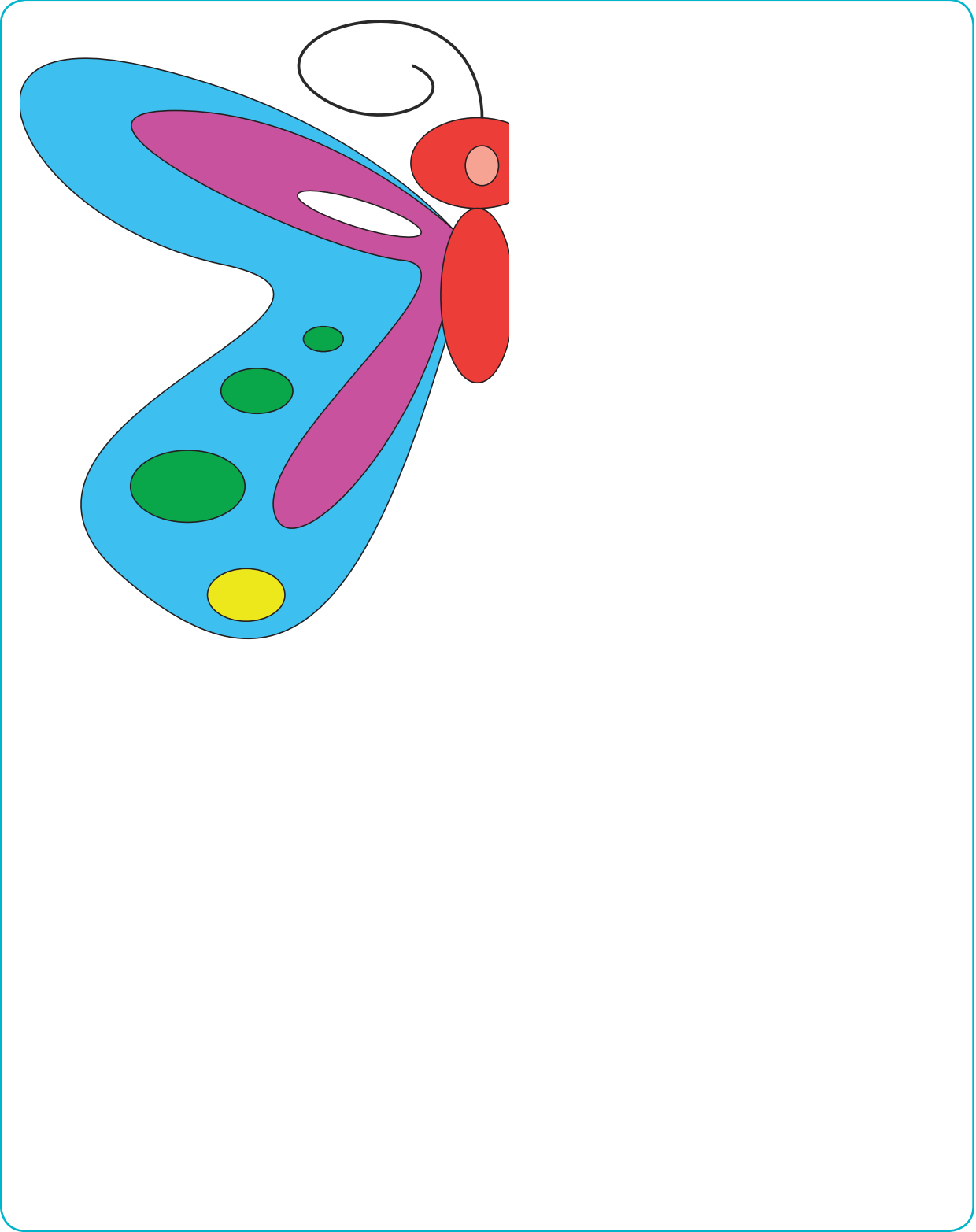


Progress To Synthesis

Name: \_\_\_\_\_

# A Beautiful Butterfly

Draw the other half of this butterfly and then draw one of your own with two identical halves.



Knowledge  
Comprehension  
Application  
Analysis  
Synthesis  
Evaluation

Fractions and Decimals - Level 1 - Students will identify halves as two equal parts of a whole object.



Let's Try This Again



Progress To Evaluation



# Fractions & Decimals Evaluation

The following ideas are provided as a starting point for fun discussions and additional activities related to Fractions & Decimals. During these conversations and activities students will have an opportunity to use appropriate mathematical language in its correct context, to engage in reflection on the Fractions & Decimals activities they have completed and to use logical reasoning to tie their in-class mathematics to its everyday context.



List some of the ways to identify an even half?



Are a half by weight and a half by size the same thing?



Look at halves with money and that 50c is half of a dollar and 25c is half of 50c.



Demonstrate all the ways three pancakes can be cut in half and then collect up half of the pieces to show half of the three pancakes.



Show students that a half is written as  $\frac{1}{2}$  and a quarter as  $\frac{1}{4}$  and let them identify that the number of divisions is on the base. They can then suggest the name for  $\frac{1}{5}$ ;  $\frac{1}{6}$  or  $\frac{1}{8}$  and that again the denominator represents the number of divisions.

